molex®
one company › a world of innovation

This document was generated on 04/01/2019

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: **0449140401**

Status: **Active**

Overview: Micro-Fit 3.0 Connector System Product Family

Description: Micro-Fit CPI Header, Capable Pin Interface, Dual Row, Vertical, 4 Circuits, Tin (Sn) Plating, Glow-Wire Capable
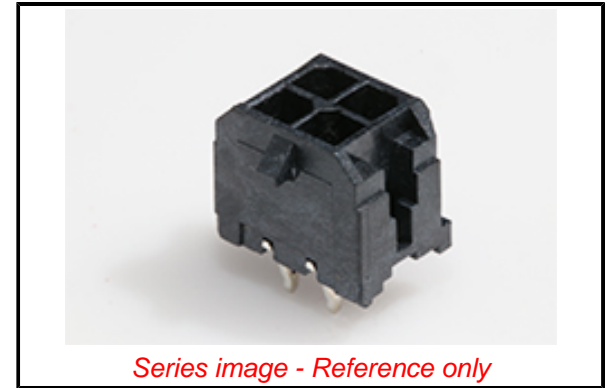
Series image - Reference only

Documents:

3D Model
Drawing (PDF)
Product Specification PS-43045 (PDF)
Product Specification PS-43045-001 (PDF)
Product Specification TS-43045-001-001 (PDF)

Product Specification TS-43045-002-001 (PDF)
Product Specification TS-46235-001-001 (PDF)
Packaging Specification PK-70873-0314-001 (PDF)
RoHS Certificate of Compliance (PDF)
Product Literature (PDF)

Agency Certification
CSA   LR19980
UL   E29179

General

Product Family	PCB Headers
Series	44914
Application	Power, Wire-to-Board
Application Tooling Part Link	62200-8400
Application Tooling Part Link	62203-0455
Comments	"""""""High Temperature|Square Pin<P><P>This Molex product is manufactured from material that has the following ratings, tested by independent agencies:. a) A Glow Wire Ignition Temperature (GWIT) of at least 775 deg C per IEC 60695-2-13.. b) A Glow Wire Flammability Index (GWFI) above 850 deg C per IEC 60695-2-12.and hence complies with the requirements set out in the International Standard IEC 60335-1 5th edition - household and similar electrical appliances - safety, section 30 Resistance to heat and fire. <P><P> The customers using this product must determine its suitability for use in their particular application through testing or other acceptable means as described in end-product glow-wire flammability test standard IEC 60695-2-11 and any applicable product end-use standard(s). <P> If it is determined during the customer's evaluation of suitability, that higher performance is required, please contact Molex for possible product options.""""""", """""""High Temperature|Square Pin<P><P>This Molex product is manufactured from material that has the following ratings, tested by independent agencies:. a) A Glow Wire Ignition Temperature (GWIT) of at least 775 deg C per IEC 60695-2-13.. b) A Glow Wire Flammability Index (GWFI) above 850 deg C per IEC 60695-2-12.and hence complies with the requirements set out in the International Standard IEC 60335-1 5th edition - household and similar electrical appliances - safety, section 30 Resistance to heat and fire. <P><P> The customers using this product must determine its suitability for use in their particular application through testing or other acceptable means as described in end-product glow-wire flammability test standard IEC 60695-2-11 and any applicable product

Search Parts in this Series
44914 Series

Mates With
430250400 Micro-Fit 3.0 Receptacle Housing

Application Tooling | FAQ
Tooling specifications and manuals are found by selecting the products below. Crimp Height Specifications are then contained in the Application Tooling Specification document.
Global

Description	Product #
Compliant Pin Insertion Flat Rock Tool	622008400
Removal Tool	622030455

end-use standard(s). <P> If it is determined during the customer's evaluation of suitability, that higher performance is required, please contact Molex for possible product options."""""""

Overview	Micro-Fit 3.0 Connector System Product Family
Product Literature Order No	987650-5984
Product Name	Micro-Fit CPI
UPC	756054637654

Physical

Breakaway	No
Circuits (Loaded)	4
Circuits (maximum)	4
Color - Resin	Black
Durability (mating cycles max)	30
Flammability	94V-0
Glow-Wire Capable	Yes
Material - Metal	High Performance Alloy (HPA)
Material - Plating Mating	Tin
Material - Plating Termination	Tin
Material - Resin	High Temperature Thermoplastic
Net Weight	0.729/g
Number of Rows	2
Orientation	Vertical
PCB Locator	Yes
PCB Retention	Yes
Packaging Type	Tray
Pitch - Mating Interface	3.00mm
Plating min - Mating	5.080µm
Plating min - Termination	5.080µm
Polarized to PCB	Yes
Shrouded	Fully
Stackable	No
Surface Mount Compatible (SMC)	No
Temperature Range - Operating	-40° to +105°C
Termination Interface: Style	Through Hole - Compliant Pin

Electrical

Current - Maximum per Contact	8.5A
Voltage - Maximum	600V

Solder Process Data

Lead-freeProcess Capability	N/A

Material Info

Reference - Drawing Numbers

Packaging Specification	PK-70873-0314-001
Product Specification	PS-43045, PS-43045-001, TS-43045-001-001, TS-43045-002-001, TS-46235-001-001
Sales Drawing	SD-44914-002
Symbol/Footprint Data	SYM-44914-0401